



Aluminum Electrolytic Capacitors

+85°C Low Profile, Radial Lead

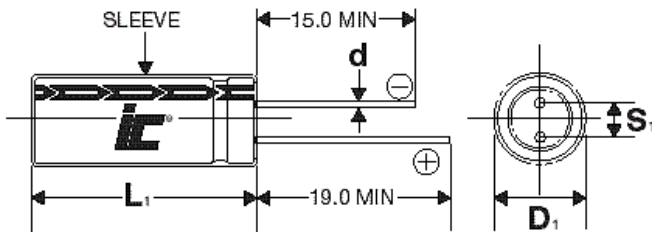
FEATURES

Small Size - Low Profile - Lead Free Leads

APPLICATIONS

Coupling - Blocking - Bypass - Filtering

| | | | | | | | | | | | | |
|---|-----------------------|---|----------------------------------|------------|-----------|------------|-------------------------|-----------|-----------|-----------|-----------|-----------|
| Operating Temperature Range | | -40°C to +85°C | | | | | | | | | | |
| Capacitance Tolerance | | +20% at 120 Hz, 20°C | | | | | | | | | | |
| Surge voltage | WVDC | 6.3 | 10 | 16 | 25 | 35 | 50 | | | | | |
| | SVDC | 7.9 | 13 | 20 | 32 | 44 | 63 | | | | | |
| Dissipation Factor | WVDC | 6.3 | 10 | 16 | 25 | 35 | 50 | | | | | |
| | tan δ | .25 | .2 | .17 | .15 | .12 | .1 | | | | | |
| Leakage current | | 2 Minutes | | | | | | | | | | |
| | | .01CV or 3uA, Whichever is greater | | | | | | | | | | |
| Low temperature stability Impedance ratio (120 Hz) | Rated WVDC | 6.3 | 10 | 16 | 25 | 35 | 50 | | | | | |
| | -25°C to +20°C | 5 | 4 | 3 | 2 | 2 | 2 | | | | | |
| | -40°C to +20°C | 10 | 8 | 6 | 4 | 4 | 4 | | | | | |
| Load Life | | 1000 hours at 85°C with rated WVDC applied | | | | | | | | | | |
| | | Capacitance change | <20% of initial measured value | | | | | | | | | |
| | | Dissipation factor | <200% of maximum specified value | | | | | | | | | |
| | | Leakage current | ≥100% of maximum specified value | | | | | | | | | |
| Shelf Life | | 1000 hours at 85°C with no voltage applied | | | | | | | | | | |
| | | Capacitance change | <20% of initial measured value | | | | | | | | | |
| | | Dissipation factor | <200% of maximum specified value | | | | | | | | | |
| | | Leakage current | ≥100% of maximum specified value | | | | | | | | | |
| Ripple Current Multipliers | | Frequency (Hz) | | | | | Temperature (°C) | | | | | |
| | | 50 | 120 | 400 | 1k | 10k | 100k | 85 | 70 | 65 | 60 | 45 |
| | | 0.85 | 1.0 | 1.1 | 1.13 | 1.15 | 1.4 | 1.0 | 1.4 | 1.6 | 1.7 | 1.8 |



| | | | | | | | |
|------|-----|-----|-----|-----|-----|------|-----|
| D+.5 | 4 | 5 | 6.3 | 8 | 10 | 12.5 | 16 |
| S | 1.5 | 2 | 2.5 | 3.5 | 5 | 5 | 7.5 |
| d | .45 | .45 | .45 | .6 | .6 | .6 | .8 |
| B | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.8 | 0.5 |

L₁=L+1mm
S₁=S±0.5mm

RSS

+85°C, 7 to 15mm Height
1000 hours

| Capacitance (µF) | WVDC | IC PART NUMBER | Maximum ESR (Ω) 120 Hz, +20°C | Maximum RMS Ripple Current (mA) 120 Hz, +85°C | Dims DxL (mm) |
|------------------|------|----------------------------|-------------------------------------|---|---------------|
| 1 | 50 | 105RSS050M | 165.786 | 10 | 4x7 |
| 2.2 | 50 | 225RSS050M | 75.358 | 20 | 4x7 |
| 3.3 | 50 | 335RSS050M | 50.238 | 25 | 4x7 |
| 4.7 | 35 | 475RSS035M | 42.328 | 25 | 4x7 |
| 4.7 | 50 | 475RSS050M | 35.274 | 30 | 5x7 |
| 10 | 16 | 106RSS016M | 28.184 | 40 | 4x7 |
| 10 | 35 | 106RSS035M | 19.894 | 45 | 5x7 |
| 10 | 50 | 106RSS050M | 16.579 | 50 | 6.3x7 |
| 22 | 16 | 226RSS016M | 12.811 | 45 | 5x7 |
| 22 | 35 | 226RSS035M | 9.043 | 70 | 6.3x7 |
| 33 | 10 | 336RSS010M | 10.0477 | 50 | 5x7 |
| 33 | 25 | 336RSS025M | 7.536 | 70 | 6.3x7 |

| Capacitance (µF) | WVDC | IC PART NUMBER | Maximum ESR (Ω) 120 Hz, +20°C | Maximum RMS Ripple Current (mA) 120 Hz, +85°C | Dims DxL (mm) |
|------------------|------|----------------------------|-------------------------------------|---|---------------|
| 47 | 6.3 | 476RSS6R3M | 8.818 | 80 | 5x7 |
| 47 | 16 | 476RSS016M | 5.997 | 80 | 6.3x7 |
| 100 | 6.3 | 107RSS6R3M | 4.145 | 90 | 6.3x7 |
| 100 | 25 | 107RSS025M | 2.487 | 135 | 8x9 |
| 100 | 35 | 107RSS035M | 1.989 | 160 | 10x9 |
| 220 | 10 | 227RSS010M | 1.507 | 165 | 8x9 |
| 220 | 16 | 227RSS016M | 1.281 | 202 | 10x9 |
| 470 | 6.3 | 477RSS6R3M | 0.882 | 238 | 10x9 |
| 470 | 35 | 477RSS035M | 0.423 | 524 | 10x12.5 |
| 1000 | 16 | 108RSS016M | 0.282 | 655 | 12.5x15 |
| 1000 | 35 | 108RSS035M | 0.199 | 1000 | 16x15 |
| 2200 | 16 | 228RSS016M | 0.1583 | 940 | 16x15 |